

Patent Abstracts of Japan

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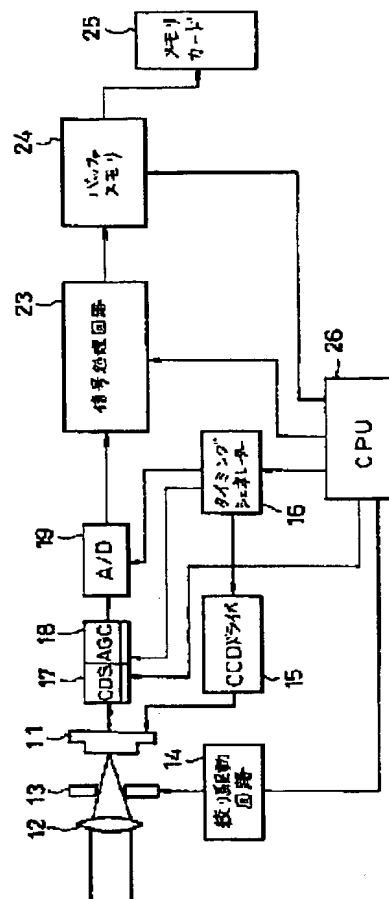
APPLICATION DATE : 28-02-91
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TITLE : SOLID-STATE IMAGE PICKUP DEVICE



ABSTRACT : PURPOSE: To obtain images having no blur without increasing the cost of a solid-state image pickup device.

CONSTITUTION: When signal read gates for the respective photo-detection sensors of a CCD 11 are simultaneously opened by the control of a CCD driver 15, signal charges are simultaneously read from the respective sensors to a vertical transfer part and outputted through a horizontal transfer part. Thus, the signal charges are read out, passed through a CDS circuit 17 or the like and converted to digital signal trains by an A/D converter 19 while keeping the arrangement of the photodetection sensors, namely, while alternately arranging lines in first and second fields. These signal trains are converted to luminance signals and color difference signals by a signal processing circuit 23 while keeping the arrangement and transferred to a buffer memory 24 while being separated into the first and second fields by a change-over switch. The buffer memory 24 respectively stores the luminance signals and the color difference signals in an interlace system arrangement and further, those signals are recorded in a memory card 25.

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